Name:­­­­

Welcome to the wonderful world of web quests. Using the webpages bookmarked in the folder, Structure of the Earth, on your computer you will find the necessary information to complete this paper.

1. Draw a diagram of the Earth. The components that must be included are listed below:

Inner Core Mantle Oceanic Crust

Outer Core Crust Continental Crust

1. Draw a diagram showing the lithosphere and asthenosphere. The components that must be included are listed below:

Crust Lithosphere

Mantle Asthenosphere

1. Compare oceanic and continental crust.
2. Compare the earth’s crust and the lithosphere.
3. Answer the following questions about the earth’s layers listed below

What type of rock or elements is this layer made of?

What is the density of the layer?

How thick is the layer (km)?

What is the temperature of the layer (Celsius)?

1. Crust
2. Mantle
3. Outer Core
4. Inner Core
5. What role does density play in layer development?
6. When the element Carbon is in the form of a diamond it’s melting point is 4,215 degrees Celsius? How does this compare to the inside of the earth?
7. The distance from Providence, RI to Disneyworld in Orlando, FLA is 2020km. It would take you an entire day to drive there. If you could drive straight down into the earth, what layer would you end up in? What would the conditions be like there?
8. Now that you know more about the earth’s inner make up how do scientists know what the earth is made of?